Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) An intelligent network for use with an ATM network to set up an ATM switched virtual circuit to provide VToA services, the intelligent network comprising:

a multi-service control point operable to receive an input extracted from an input ATM setup message that includes a called party phone number value and a VToA designator, and generate an output in response for use in generating an output ATM setup message;

an ATM signaling intercept processor operable to intercept the input ATM setup message from an ingress ATM edge switch of the ATM network, extract the input from the input ATM setup message, communicate the input to the multi-service control point, receive the output generated by the multi-service control point, generate the output ATM setup message using the output, and communicate the output ATM setup message to the ingress ATM edge switch of the ATM network; and

a service administration operable to provision the multi-service control point and the ATM signaling intercept processor.

2. (original) The intelligent network of Claim 1, wherein the input includes a calling party phone number value.

3. (currently amended) The intelligent network of Claim 2, wherein the input

includes an ATM address of [[the]] a calling party CPE.

4. (original) The intelligent network of Claim 3, wherein the called party phone

number value is stored in a called party subaddress parameter of the input ATM setup

message, the VToA designator is stored in a called party number parameter of the input

ATM setup message, the calling party phone number value is stored in a calling party

subaddress parameter of the input ATM setup message, and the ATM address of the

calling party CPE is stored in a calling party number parameter of the input ATM setup

message.

5. (currently amended) The intelligent network of Claim 1, wherein the called

party phone number value is stored in [[the]] a called party subaddress parameter of the

input ATM setup message, the VToA designator is stored in [[the]] a called party number

parameter of the input ATM setup message.

6. (currently amended) The intelligent network of Claim 1, wherein the output

includes an ATM address of [[the]] a called party.

7. (currently amended) The intelligent network of Claim 6, wherein the called

party phone number value is stored in [[the]] a called party subaddress parameter of the

output ATM setup message, the ATM address of the called party is stored in [[the]] a called party number parameter of the output ATM setup message, [[the]] a calling party phone number value is stored in [[the]] a calling party subaddress parameter of the output ATM setup message, and [[the]] an ATM address of [[the]] a calling party CPE is stored in [[the]] a calling party number parameter of the output ATM setup message.

8. (currently amended) The intelligent network of Claim 1, wherein the multi-service control point determines if the input ATM setup message requests [[an]] a SVC for VToA by analyzing the VToA designator portion of the input.

9. (currently amended) The intelligent network of Claim 1, wherein the multi-service control point further includes:

a database that correlates the called party phone number value with an ATM address of [[the]] a called party CPE, and wherein the multi-service control point includes the ATM address of the called party CPE in the output.

10. (currently amended) The intelligent network of Claim 1, wherein the multi-service control point further includes:

a database that correlates the called party phone number value with a forwarded called party phone number value when the called party phone number value has been forwarded, correlates the forwarded party phone number value with an ATM address of [[the]] a forwarded party CPE, and wherein the multi-service control point

includes the forwarded party phone number value and [[the]] an ATM address of the forwarded party CPE in the output.

11. (currently amended) The intelligent network of Claim 1, wherein the multi-service control point further includes:

a database that correlates the called party phone number value with a translated called party phone number value when the called party phone number should be translated, correlates the translated party phone number value with an ATM address of [[the]] a translated party CPE, and wherein the multi-service control point includes the translated party phone number value and the ATM address of the translated party CPE in the output.

12. (currently amended) The intelligent network of Claim 1, wherein the multi-service control point is operable to receive an input extracted from an input ATM connect message and to generate an output in response for use in generating an output ATM connect message, and wherein the ATM signaling intercept processor is operable to intercept the input ATM connect message from an ingress ATM edge switch of the ATM network, to extract the input from the input ATM connect message, to communicate the input to the multi-service control point, to receive the output generated by the multi-service control point, to generate the output ATM connect message using the output, and to communicate [[the]] an output ATM signaling message to the ingress ATM edge switch of the ATM network.

13. (currently amended) The intelligent network of Claim 1, wherein the multi-service control point is operable to receive an input extracted from an input ATM release message and to generate an output in response for use in generating an output ATM release message, and wherein the ATM signaling intercept processor operable to intercept the input ATM release message from an ingress ATM edge switch of the ATM network, to extract the input from the input ATM release message, to communicate the input to the multi-service control point, to receive the output generated by the multi-service control point, to generate the output ATM release message using the output, and to communicate [[the]] an output ATM signaling message to the ingress ATM edge switch of the ATM network.

14. (currently amended) The intelligent network of Claim 1, wherein the multi-service control point includes various applications operable to provide the VToA services through analyzing the input to generate the output.

15. (currently amended) The intelligent network of Claim 1, wherein the ATM signaling intercept processor includes a call model is operable to model multiple switched virtual circuits, including the ATM switched virtual circuit, for providing VToA using the ATM network.

16. (original) The intelligent network of Claim 1, wherein the ATM edge switch receives the input ATM setup message in a predefined format from a customer premises equipment.

17. (original) The intelligent network of Claim 1, wherein the ATM edge switch receives the input ATM setup message from an enterprise gateway.

18. (currently amended) The intelligent network of Claim 1, wherein [[the]] content exchanged through the ATM switched virtual circuit of the ATM network includes video.

19. (currently amended) The intelligent network of Claim 1, wherein [[the]] content exchanged through the ATM switched virtual circuit of the ATM network includes data.

20. (original) The intelligent network of Claim 1, wherein the multi-service control point is operable to determine if the called party phone number value is valid, and wherein the input ATM setup message is rejected if the called party phone number value is not valid.

21. (original) The intelligent network of Claim 1, further comprising:

a second multi-service control point operable to receive an egress input extracted from the output ATM setup message that includes the called party phone number value, and generate an egress output in response,

a second ATM signaling intercept processor operable to intercept the output ATM setup message from an egress ATM edge switch of the ATM network, extract the egress input from the output ATM setup message, communicate the egress input to the second multi-service control point, receive the egress output generated by the multi-service control point, generate an ATM setup message using the egress output, and communicate the ATM setup message to the egress ATM edge switch of the ATM network, and wherein the service administration is operable to provision the second multi-service control point and the second ATM signaling intercept processor.

22. (currently amended) The intelligent network of Claim 21, wherein the second multi-service control point is the multi-service control point are the same multi-service control point.

23. (original) The intelligent network of Claim 1, wherein the service administration maintains a database of record.

24. (original) The intelligent network of Claim 1, wherein the service administration provides an interface to the multi-service control point and the ATM signal intercept processor.

25. (original) The intelligent network of Claim 1, wherein the ingress ATM

switch has a device side portion and a network side portion.

26. (original) An ATM telecommunications network with an intelligent network

for providing VToA services using an ATM switched virtual circuit, the ATM

telecommunications network comprising:

an ATM network operable to communicate ATM cells and ATM messages;

an ingress ATM edge switch in communication with the ATM network and an

ingress CPE, the ingress ATM edge switch operable to receive an input ATM setup

message from an ingress CPE and to communicate an output ATM setup message to the

ATM network;

an egress ATM edge switch in communication with the ATM network and an

egress CPE, the egress ATM edge switch operable to receive the output ATM setup

message from the ATM network and to communicate an ATM setup message to an

egress CPE;

an intelligent network that includes:

a multi-service control point operable to receive an input extracted from

the input ATM setup message that includes a called party phone number value and a

VToA designator, and generate an output in response for use in generating the output

ATM setup message,

an ATM signaling intercept processor operable to intercept the input ATM setup message from the ingress ATM edge switch, extract the input from the input ATM setup message, communicate the input to the multi-service control point, receive the output generated by the multi-service control point, generate the output ATM setup message using the output, and communicate the output ATM setup message to the ingress ATM edge switch of the ATM network,

a second multi-service control point operable to receive an egress input extracted from the output ATM setup message that includes the called party phone number value, and generate an egress output in response,

a second ATM signaling intercept processor operable to intercept the output ATM setup message from the egress ATM edge switch of the ATM network, extract the egress input from the output ATM setup message, communicate the egress input to the second multi-service control point, receive the egress output generated by the multi-service control point, generate an ATM setup message using the output, and communicate the ATM setup message to the egress ATM edge switch of the ATM network,

a service administration operable to provision the multi-service control point, the ATM signaling intercept processor, the second multi-service control point and the second ATM signaling intercept processor.

27. (currently amended) The ATM telecommunications network of Claim 26, wherein the input includes a calling party phone number value and an ATM address of

[[the]] a calling party CPE, and wherein the called party phone number value is stored in a called party subaddress parameter of the input ATM setup message, the VToA designator is stored in a called party number parameter of the input ATM setup message, the calling party phone number value is stored in a calling party subaddress parameter of the input ATM setup message, and [[the]] an ATM address of the calling party CPE is stored in a calling party number parameter of the input ATM setup message.

28. (currently amended) The ATM telecommunications network of Claim 27, wherein the called party phone number value is stored in a called party subaddress parameter of the output ATM setup message, [[the]] an ATM address of the called party is stored in a called party number parameter of the output ATM setup message, the calling party phone number value is stored in a calling party subaddress parameter of the output ATM setup message, and the ATM address of the calling party CPE is stored in a calling party number parameter of the output ATM setup message.

29. (original) A method for providing VToA using an intelligent network and a switched virtual circuit over an ATM network, the method comprising:

intercepting an input ATM setup message from an ingress ATM edge switch of the ATM network;

extracting information from the input ATM setup message;

analyzing the information to determine if the input ATM setup message is a request to set up an SVC for VToA;

determining an ATM address of a called party CPE;

generating an output ATM setup message that includes the ATM address of a

called party CPE; and

communicating the output ATM setup message to the ingress ATM edge switch

of the ATM network.

30. (currently amended) The method of Claim 29, wherein analyzing the

information to determine if the input ATM setup message is a request to set up an SVC

for VToA includes checking for [[the]] a presence of a VToA designator.

31. (original) The method of Claim 29, wherein extracting information from the

input ATM setup message includes generating an input from the input ATM setup

message that includes a called party phone number value and a VToA designator.

32. (original) The method of Claim 31, wherein analyzing the information to

determine if the input ATM setup message is a request to set up an SVC for VToA

includes analyzing the input to determine if the input includes the VToA designator.

33. (original)The method of Claim 32, wherein determining an ATM address of

a called party CPE includes correlating the called party phone number value of the input

with the ATM address of the called party CPE using a database.

34. (original) The method of Claim 33, wherein generating an output ATM setup message that includes the ATM address of a called party CPE further includes generating the output ATM setup message that includes the called party phone number value.

35. (original) The method of Claim 34, wherein intercepting the input ATM setup message from the ingress ATM edge switch of the ATM network, and extracting information from the input ATM setup message are performed using an ATM signaling intercept processor.

36. (original) The method of Claim 35, wherein analyzing the information to determine if the input ATM setup message is a request to set up an SVC for VToA, and determining the ATM address of the called party CPE are performed using a multi-service control point.

37. (original) The method of Claim 36, wherein generating an output ATM setup message that includes the ATM address of a called party CPE is performed using the ATM signaling intercept processor.

38. (currently amended) The method of Claim 37, wherein the input ATM setup message provides the VToA designator stored in [[the]] a called party address parameter and the called party phone number value stored in [[the]] a called party subaddress parameter.

39. (currently amended) The method of Claim 38, wherein the output ATM setup message provides the ATM address of the called party CPE stored in [[the]] a called party address parameter and the called party phone number value stored in [[the]] a called party subaddress.

40. (original) The method of Claim 29, wherein analyzing the information to determine if the input ATM setup message is a request to set up an SVC for VToA further includes processing the information to provide VToA services.

41. (currently amended) A method for providing VToA using an intelligent network and a switched virtual circuit over an ATM network, the method comprising:

receiving a request at an ingress CPE to make a VToA call that includes a called party phone number value;

generating an input ATM setup message at the ingress CPE that includes the called party phone number value and a VToA designator stored in a designated parameter of the input ATM setup message;

receiving the input ATM setup message at a device side of an ingress ATM edge switch of the ATM network;

intercepting the input ATM setup message from the device side of the ingress ATM edge switch of the ATM network;

extracting information from the input ATM setup message that includes the

VToA designator and the called party phone number value;

analyzing the information to determine if the VToA designator is present;

determining an ATM address of a called party CPE using the called party phone

number value and a database;

generating an output ATM setup message that includes the ATM address of a

called party CPE and the called party phone number value;

communicating the output ATM setup message to a network side of the ingress

ATM edge switch of the ATM network;

receiving the output ATM setup message at a network side of an egress ATM

edge switch;

intercepting the output ATM setup message from the network side of the egress

ATM edge switch of the ATM network;

extracting egress information from the output ATM setup message that includes

the ATM address of the called party CPE;

communicating the output ATM setup message to a device side of the egress

ATM edge switch; and

communicating the output ATM setup message to the called party CPE.

42. (currently amended) The method of Claim 41, wherein generating an input

ATM setup message at the ingress CPE includes storing the VToA designator in [[the]] a

called party address parameter and storing the called party phone number value in [[the]] a called party subaddress parameter.

43. (original) The method of Claim 42, wherein generating an output ATM setup message includes storing the ATM address of the called party CPE in the called party address parameter and storing the called party phone number value stored in the called party subaddress.

44. (original) The method of Claim 41, further comprising:

processing the information to provide VToA services after analyzing the information to determine if the VToA designator is present.